

Riverside and White River Municipal Well Calculations

Reference 138, page 1

Well ID#	Gallons per minute (Ref. 136, pp. 1, 2)	Population Served
RS 2	800	4203.531
RS 7	770	4045.898
RS 8	800	4203.531
RS 9	840	4413.707
RS 17	600	3152.648
RS 18	660	3467.913
RS 19	660	3467.913
RS 22	500	2627.207
RS 26	600	3152.648
RS 27	850	4466.251
RS 29	600	3152.648
RS A	450	2364.486
RS B	1000	5254.413
RS C	1450	7618.899
RS D	740	3888.266
WR 3	1360	7146.002
WR 7	700	3678.089
WR 8	2000	10508.83
WR 9	1400	7356.178
Surface water intake	83,333.33	437,867.75
Total Population		526,036.80

There are 876,728 people served by Citizens' Energy Group (Ref. 68, p. 1)
60% of the population (526,036.8 people) is served by the Riverside and White Rivers Well
Fields and the surface water intake

60% of 876,728 = 526,036.8 people (Ref. 137 p. 1)
Total Gallons pumped per minute = 800 + 770 + 800 + 840 + 600 + 660 + 660 + 500 + 600 + 850 + 600
+ 450 + 1000 + 1450 + 740 + 1360 + 700 + 2000 + 1400 + 83,333.33 = 100,113.33

The following calculation is an example how the population was apportioned for each well/intake.

For Well RS 2

$(800 \text{ (GPM)}/100,113.33 \text{ (gallons pumped per minute)}) \times (526,036.8 \text{ (population served)}) = 4,203.5$
100,113.33 People